

Type of Appliance

- Temperature controlled, continuous flow, gas hot water system
- Certified for installation in manufactured (mobile) homes
- Forced Combustion / Direct Vent

Rinnai Model Number

REU-VC2025FFU-US

Operation/Installation

Forced combustion; indoor only

Minimum/Maximum Gas Rate (Input)

10,300 - 150,000 BTU/h (3.0-44.0 kWh)

Electrical

- Appliance: AC 120 Volts - 60 Hz
- Controller: DC 12 Volts

Electrical Consumption

Normal: 76 w Standby: 2 w Anti-frost protection: 120 w

Amperage

Max: 4A Fuse: 10A

Ignition System

Direct Electronic Ignition

Hot Water Capacity

- Minimum flow rate: 0.26 GPM (1 l/min)
- Minimum activation flow rate: 0.4 GPM (1.5 l/min)
- Maximum flow rate: 6.5 GPM (24.6 l/min)

Temperature

- 98°-120° F (37°- 49° C) (factory default)
- Maximum temperature is selectable at 120° F (49° C) or at 140° F (60° C)
- 98°-160° F (37°-71° C) available with the MCC-91-2 controller for hydronic applications

Temperature (without remote)

120° F (49° C) (factory default) or 140° F (60° C)

Installation

Indoor only

Uniform Energy Factor (UEF)

0.80

Service Connections

- Gas supply: 3/4 inch MNPT
- Cold water inlet: 3/4 inch MNPT
- Hot water outlet: 3/4 inch MNPT

Water Flow Control

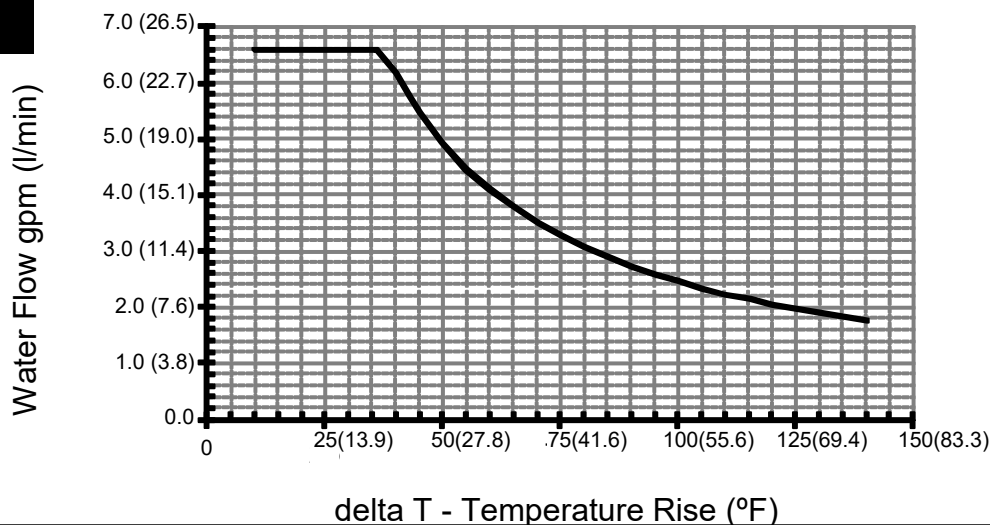
Water flow sensor, electronic water control device and fixed bypass

Minimum/Maximum Water Supply Pressure

- 20-150 PSI (138-1,035 KPa)
- Recommend 30-80 PSI (209-552 KPa) for optimal performance

Rinnai is continually updating and improving products; therefore, specifications are subject to change without prior notice. Local, state, provincial and federal codes must be adhered to prior to installation.

FLOW TABLE



**Water Temperature Control
Controller**

Controller Cable

Safety Devices

**Clearances from
Combustibles
(suitable for closet, attic, and
crawl space installations)**

**Clearances from
Non-combustibles**

**Min/Max Gas Supply
Pressure**

**Manifold Gas Pressure
(inches W.C.)**

NOx

Simulation feed forward and feedback

- MC-91-2US (part of the front panel)
- Deluxe controller: MC-100V-1US (optional)
- Bathroom controller: BC-100V-1US (optional)
- MCC-91-2US (optional; for hydronic applications)

Non-polarized two-core cable, minimum 22 AWG

- Flame failure - Flame Rod
- Boiling protection
- Combustion fan rpm check
- Over current - glass fuse
- Remaining flame (OHS)
- Thermal fuse
- Automatic frost protection

- Top of heater - 6 inches (152 mm)
- Front of heater - 6 inches (152 mm)*
- Sides of heater - 2 inches (51 mm)
- Back of heater - 0 inches
- Ground / bottom - 12 inches (305 mm)
- From vent pipe - 0 inches

- Top of heater - 2 inches (51 mm)
- Front of heater - 6 inches (152 mm)*
- Sides of heater - 1/2 inch (13 mm)
- Back of heater - 0 inches
- Ground / bottom - 12 inches (305 mm)
- From vent pipe - 0 inches

* 24 inches required for serviceability

- Natural Gas: Min: 4" W.C. (10 mbar) Max: 10.5" W.C. (26.1 mbar)
- Propane Gas: Min: 8" W.C. (20 mbar) Max: 13.5" W.C. (33.6 mbar)

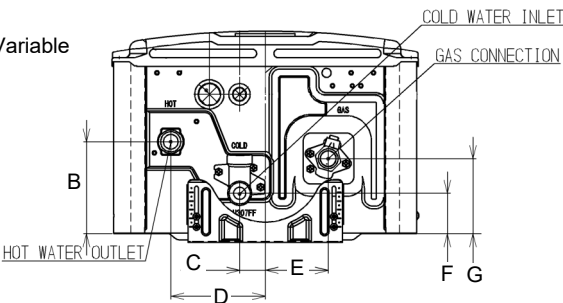
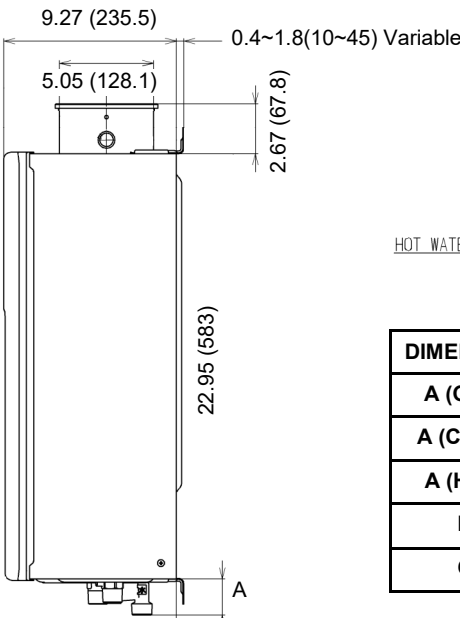
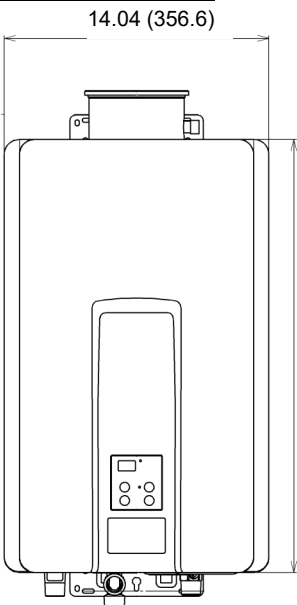
- Natural Gas: High Fire: 1.8" W.C. (4.5 mbar) Low Fire: 0.61" W.C. (1.5 mbar)
- Propane Gas: High Fire: 2.8" W.C. (7.0 mbar) Low Fire: 0.87" W.C. (2.2 mbar)

Complies with South Coast Air Quality Management District 14 ng/J or 20 ppm NOx emission levels

Warranty Heat exchanger: 10 years* for residential and hydronic applications, increased to 12 years* if installed with an isolation valve kit; All other parts: 5 years*; Labor: 1 year
(* reduced to 3 years if used as a circulating water heater within a circulation loop, when the water heater is in series with a circulation system and all circulating water flows through the water heater)

DIMENSIONS

WEIGHT: 45.6 lb (20.7 kg)



DIMENSION	Inches (mm)	DIMENSION	Inches (mm)
A (GAS)	1.31 (33.2)	D	4.33 (110)
A (COLD)	1.93 (49)	E	2.89 (73.3)
A (HOT)	1.35 (34.4)	F	1.85 (47)
B	4.21 (106.9)	G	3.44 (87.3)
C	1.17 (29.8)		